

C / A 551SR (Super Red)

赤色超高輝度7セグメントLED 文字高さ14.2mm

A-551SR アノードコモン1文字タイプ (EL5512 NAR161)

C-551SR カソードコモン1文字タイプ (EL5511 NKR161)

PARA LIGHT

PARA LIGHT

C/A-551X series ...

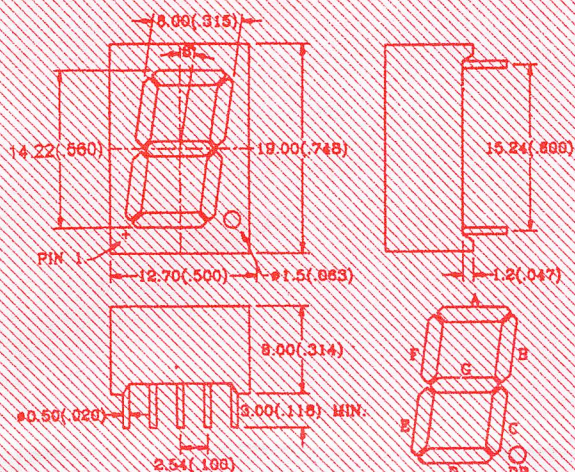
14.22mm(0.56inch) SINGLE DIGIT DISPLAY
WITH DIAMOND SEGMENT

MAIN FEATURES :

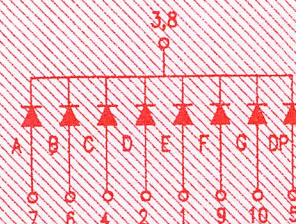
- ① 14.22mm(0.56inch) HIGH CHARACTER
- ② EXCELLENT CHARACTER APPEARANCE
- ③ COMMON CATHODE AND COMMON ANODE
- ④ I.C. COMPATIBLE
- ⑤ LOW POWER CONSUMPTION

PACKAGE DIMENSIONS

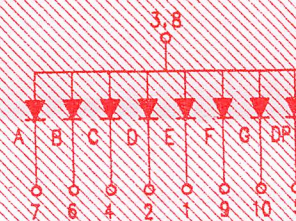
PIN CONNECTION AND INTERNAL CIRCUIT



C-551X



A-551X



NOTES

1. All Dimension are in millimeter(inches).
2. Tolerance is $\pm 0.25\text{mm}(0.010")$ unless otherwise specified

SELECTION GUIDE AND APPLICATION INFORMATION (RATINGS AT 25°C AMBIENT)

Part No.	Selection of Color/Case	Chip Material	Emittd Color	C.C. or C.A.	Wave Length λ (nm)	Absolute Maximum Ratings					Electro-Optical Characteristics					Re-mark
						$\Delta\lambda$	Pd	If	If		Vf(V)	If	Iv(μcd)			
						nm	mW	mA	(Peak)		Min.	Typ.	Max.	(Rec)	Min.	Typ.
C-551R	GW,BW,BR,RR	GaAsP	Red	Common Cathode	655	40	110	40	200	1.5	1.7	2.0	10~20	200	500	
C-551H	GW,BW,BR,RR	GaP	Bright Red		700	90	45	15	50	1.7	2.1	2.8	5~10	300	650	
C-551E	GW,BW,BR,RR	GaAsP/GaP	Hi. effi Red		635	45	100	30	160	1.7	2.0	2.8	10~20	750	2000	
C-551G	GW,BW,GGn,BGn	GaP	Green		565	30	100	30	160	1.7	2.1	2.8	10~20	750	2000	
C-551Y	GW,BW,GY,BY	GaAsP/GaP	Yellow		585	30	100	30	160	1.7	2.1	2.8	10~20	700	1600	
C-551I	GW,BW,BR,RR	GaAlAs	Hi. effi Red		625	20	60	20	160	1.6	1.8	2.1	10~20	2000	6000	
C-551SR	GW,BW,BR,RR	GaAlAs	Super Red		660	20	60	20	160	1.6	1.8	2.1	10~20	5600	21000	
A-551R	GW,BW,BR,RR	GaAsP	Red	Common Anode	655	40	110	40	200	1.5	1.7	2.0	10~20	200	500	
A-551H	GW,BW,BR,RR	GaP	Bright Red		700	90	45	15	50	1.7	2.1	2.8	5~10	300	650	
A-551E	GW,BW,BR,RR	GaAsP/GaP	Hi. effi Red		635	45	100	30	160	1.7	2.0	2.8	10~20	750	2000	
A-551G	GW,BW,GGn,BGn	GaP	Green		565	30	100	30	160	1.7	2.1	2.8	10~20	750	2000	
A-551Y	GW,BW,GY,BY	GaAsP/GaP	Yellow		585	30	100	30	160	1.7	2.1	2.8	10~20	700	1600	
A-551I	GW,BW,BR,RR	GaAlAs	Hi. effi Red		625	20	60	20	160	1.6	1.8	2.1	10~20	2000	6000	
A-551SR	GW,BW,BR,RR	GaAlAs	Super Red		660	20	60	20	160	1.6	1.8	2.1	10~20	5600	21000	

ABSOLUTE MAXIMUM RATING: (Ta=25°C)

Reverse Voltage	: 5 Volt
Reverse Current (Vr = 5V)	: 10 μA
Operating Temperature Range	: -40°C to +85°C
Storage Temperature Range	: -40°C to +100°C
Lead Soldering Temperature	: 260°C for 5 Seconds
(1.6mm(1/16inch) from body)	

ELECTRO-OPTICAL CHARACTERISTICS: (Ta=25°C)

Para meter Description	Symbol	Unit
Spectral Line half-Width	$\Delta\lambda$	nm
Power Dissipation	Pd	mW
Peak Forward Current (Duty 1/10,@KHz)	If(Peak)	mA
Recommended Operation Current	If(Rec)	mA
Average Luminous intensity (If = 10mA)	Iv	mcd